





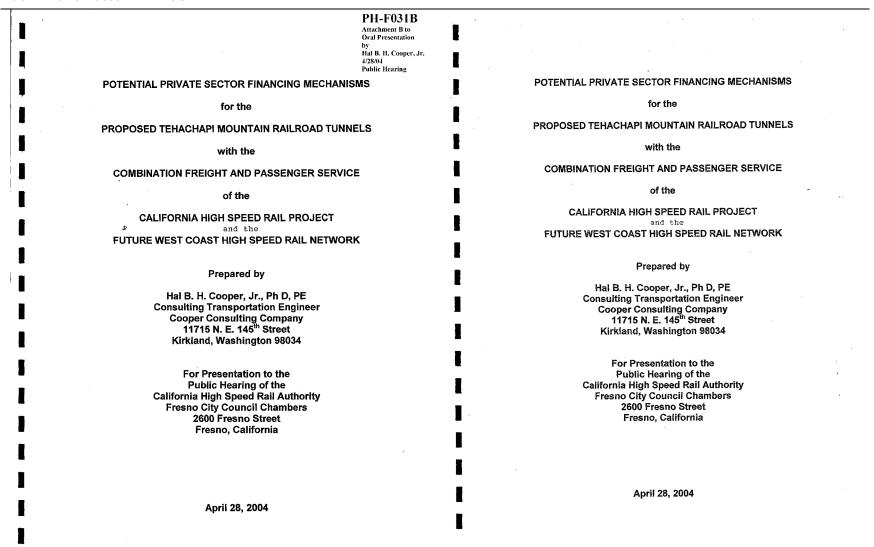
Response to Comments Hal B. H. Cooper, Jr., Oral Presentation, Attachment A, April 28, 2004 (Letter PH-F031A)

PH-F031A-1

This is an attachment to comment PH-F013. Please see response to Comment PH-F013-1.



Comment Letter PH-F031B





The State of California is planning to construct a new-electrified high-speed rail passenger system of approximately 700 miles in length at an estimated capital cost of \$37 billion which will be designed to carry up to 68 million passengers annually (185,000 passengers/ day). The proposed high speed rail passenger system is planned to connect all of the major metropolitan areas of the State of California together into a single route network in both Southern and Northern California with construction over a 10 to 16 year period. This proposed high speed rail passenger system serving the main urban areas of California can then be built at a much lower cost than the estimated \$82 billion which would be required to expand its existing highway and airport system with 2,970 miles of new highway lanes and 60 new airport gates to provide the same expected future traffic volumes.

The high-speed passenger trains are expected to operate at speeds of up to 220 miles per hour with transit times between Los Angeles and San Francisco of less than 2.5 hours.

Perhaps the most difficult and costly part of the entire 700 - mile high speed rail system in California is the 110 to 120 mile section between Los Angeles and Bakersfield because of the alternative routes, the mountainous terrain and the potential geologic activity in the area. There have been two alternative routes proposed for this section between Los Angeles and Bakersfield along the Interstate 5 freeway over the Grapevine Grade and through the Antelope Valley in parallel to State Highway 14 and 58. The proposed Antelope Valley route is longer by 10 to 20 mile but has a significant rider ship potential in the Palmdale and Lancaster areas, and would serve the future Palmdale International Airport as a major air traffic hub. The proposed Interstate 5 freeway route is shorter and serves 10 to 12 minutes for trip times in the main project traffic market between San Francisco and Los Angeles, but involves extensive tunneling. The difficulty is that it adds significantly to the capital cost of the project to build both routes by at least \$2.0 to 3.5 billion to serve both routes so that there would be benefits to developing alternative financing structures.

In addition, there is a significant and growing problem of rapidly increasing truck traffic for freight transport on all of California's highways. Nowhere is this problem of increasing truck traffic of greater

concern than along the main Interstate 5 freeway through California because of rising traffic congestion, air pollutant emissions and roadway maintenance costs. Nowhere is the problem of increasing truck traffic volumes along the Interstate 5 freeway as California's main north – south traffic artery than over the 45 – miles between Wheeler Ridge and Sylmar over the Tehachapi Mountains, and especially over the steep Grapevine Grade between Grapevine and Castaic.

2

in parallel, the rapidly increasing freight traffic volumes over its crowded railroad lines are creating a number of congestion bottlenecks, especially with the growing container traffic to and from the Ports of Los Angeles and Long Beach in Southern California as well as to and from the Port of Oakland in Northern California. Nowhere is this rail traffic bottleneck more severe than over the 75 mile Tehachapi Mountain line between Bakersfield and Mojave, which is an antiquated largely single-track line built in the 1870's which includes the notorious Tehachapi Loop. This Tehachapi Mountain railroad line has been basically saturated at a traffic level of 60 to 70 freight trains per day, and is badly in need of expansion to relieve is probably California's greatest single rail transportation bottleneck.

A solution is proposed herein the present paper which will allow for all of the above – described problems to be either mitigated or eliminated which is discussed in the following paragraphs. It is proposed to construct the three major railroad tunnels which will be required through the Tehachapi Mountains for the California High Speed Rail Passenger System through private long term low interest financing mechanisms via a public – private – partnership vehicle. The financing instruments to be utilized can be either tax-exempt revenue bonds or other suitable long-term low interest rate debt financing instruments which are repaid through unit charge assessments on a per train basis to be levied upon the operators.

This financing method is similar to that utilized for repayment of the part revenue bonds and the Federal loan used for the construction of the 22 – mile long Alameda Corridor project in Southern California by the Ports of Los Angeles and Long Beach. For freight transport, the unit charge assessments would be levied against the private railroads (Union Pacific or Burlington Northern Santa Fe) on a per train or per ton basis or against trucking companies who would utilize the intermodal



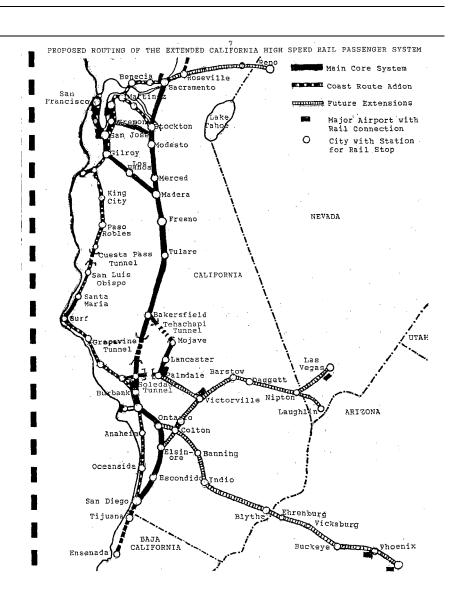
service for diversion of either trailers or whole trucks hauled by that car from road to rail and or its operator. For the affected commuter rail passenger trains operated by the Southern California Regional Rail Authority (SCRRA) the financing repayment charges would be levied on a unit per train or per passenger basis.

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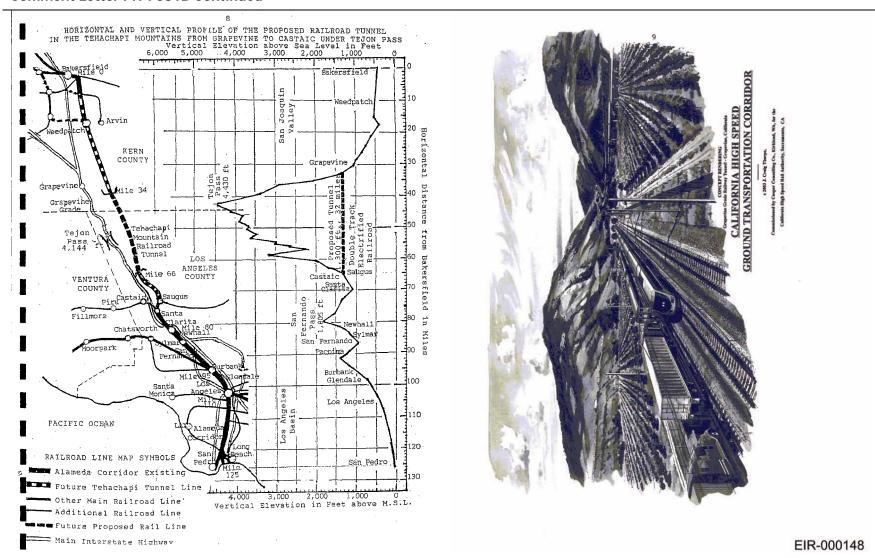
A separate unit per train or per passenger charge would need to be levied against the California High Speed Rail Authority (CHSRA) for the passage of the high speed passenger trains through the individual tunnels to the private entity for debt service repayment as well as track maintenance and electricity cost reimbursement until the financing instruments are retired.

The three railroad tunnels to be constructed through the Tehachapi Mountains between Los Angeles and Bakersfield as a part of the proposed long term low interest private sector financing mechanisms are as follows: 1) the 32 – mile long north – south Grapevine Grade railroad tunnel through the Tehachapi Mountains between Grapevine and Castaic for the route from Los Angeles to Bakersfield parallel to the Interstate 5 freeway; 2) the 29 – mile long east – west Tehachapi Mountain railroad tunnel between Caliente and Reefer City for the route from Bakersfield to Mojave parallel to State Highway 58; 3) the 17 – mile long east – west Soledad Canyon railroad tunnel between Ravenna and Saugus for the Antelope Valley line between Santa Clarita and Palmdale. These three railroad tunnels have a total distance of 78 miles, and constitute critical components of the proposed California High Speed Rail System between Los Angeles and Bakersfield to connect Northern and Southern California.

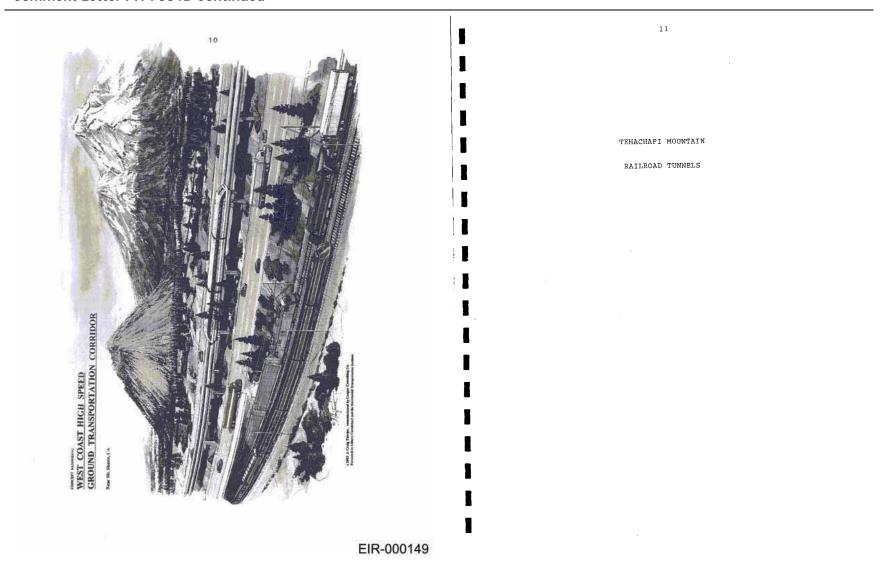
The high speed passenger trains of the public California High Speed Rail Authority are expected to operate in all three of the proposed Grapevine Grade, Tehachapi Mountains and Soledad Canyon railroad tunnels, with the major traffic flow through the Grapevine tunnel. In contrast, the main freight train flows will be through the Tehachapi Mountain railroad tunnel are expected to be freight trains of the private Union Pacific Railroad and the Burlington Northern Santa Fe Railway carrying intermodal containers and other commodities. In addition, there are expected to be large scale movements of both intermodal trailers plus whole trucks on a scheduled shuttle service between Los Angeles and Bakersfield and beyond through the Grapevine Tunnel plus other



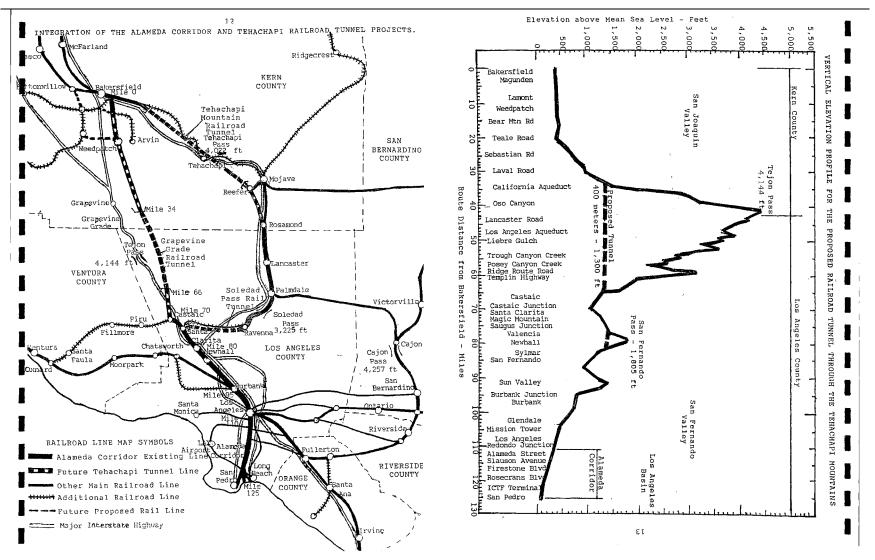




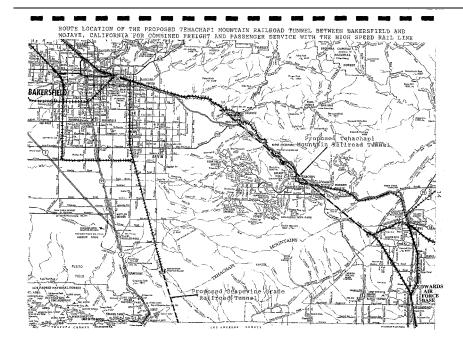


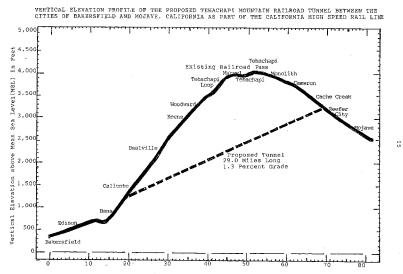




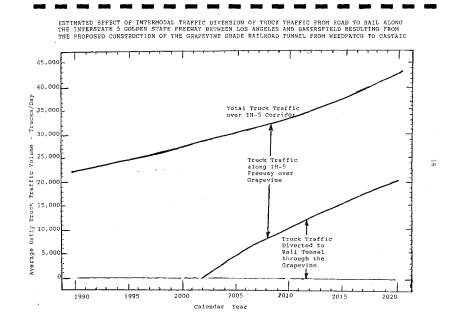


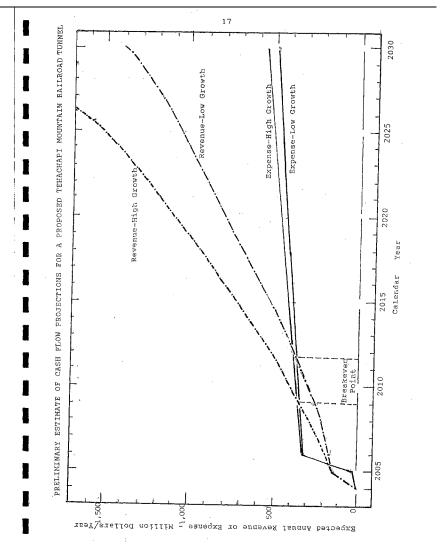
















Grapsvine_Grade_Turnel_Project_D[1]

Comment Letter PH-F031B Continued

Grapevine Grade Tunnel Project Cash Flow Analysis \$US														Page 1 of 2
			_				_	Utilization of	Trui					
Traffic Assumptions: Track Traffic (number of tracks per year) Pessenger Trains	7,30	100,000 100 /day	_	739,000 36,500	_	15% 1,095,000 28,500	_	1,460,000 36,500	-	1,825,060 36,500	-	3,650,000 36,500		75% 5,475,000 38,500
Revenue Assumptions; Revenue per Truck Revenue per Passenger Train			3 \$	140 7,000	\$	140 7,000	\$	140 7,000	\$	140 7,000	3 5	140 7,000	\$	140 7,000
Revenue: Trains: breemodal Trains Passonger Trains Total Train Revenue			\$	102,200,600 255,590,000 357,700,000	\$ 2	153,300,000 255,500,000 408,800,000	8 2	204,400,000 255,500,000 259,900,600	\$.	255,500,000 255,500,000 511,000,000	\$	511,000,000 255,600,000 766,500,000	\$ \$	766,500,000 255,500,000 1,022,000,600
Truck Stop: Fuel Overnight Parking Food, Showers, etc. Warshouses Total Truck Stop Revenue	s	7.50 pertrk	\$ \$ \$	5,475,000 6,205,600 9,125,000 1,920,000 22,725,000	* * *	8,212,500 6,205,000 9,125,000 1,920,000 25,462,500	\$ \$	10,950,000 6,205,000 9,125,000 1,920,000 28,200,000	\$ \$ \$	13,687,500 6,206,000 9,125,000 1,920,000 30,937,800	\$ \$ \$	27,375,000 6,205,000 9,125,000 1,920,000 44,826,000	\$ \$ \$ \$	41,062,500 6,205,000 9,125,000 1,920,000 58,312,500
Total Revenue Expenses:			\$	390,425,000	\$ 4	434,262,500	\$ 4	100,000	3	541,937.500	\$	811.125,000	\$	1,080,312,500
Train: Operations Administration Labor Total Train Expense		2.0% 2.0%	8 8 8	1,600,000 7,154,000 7,154,000 15,908,000	\$ \$ \$	1,600,000 8,176,000 6,176,000 17,952,000	\$ \$ \$	1,600,000 9,198,000 9,198,000 19,896,000		1,860,000 10,220,000 10,220,000 22,040,000	\$	1,500,000 15,330,000 15,330,000 32,260,000	5 5 5	1,600,000 20,440,000 20,440,000 42,480,000
Truck Stop: Find Overnight Parking Food, Showers, etc. Warekouses Total Truck Stop Expense	\$	3,75 pertri	\$ \$ \$ \$	2,737,500 620,500 6,387,500 192,000 9,957,500	5 5 5	4,196,250 620,500 6,387,500 192,000 11,306,250	\$ \$ \$	5,475,000 820,500 6,387,500 192,900	5 6 6 6 5	6,843,750 620,500 6,387,500 192,000 14,043,750	\$ \$ \$ \$	13,587,500 620,500 6,387,500 192,000 20,587,500	\$ \$ \$	20,531,250 620,500 6,387,560 162,000 27,731,250
Total Expenses			S	25,845,500	3	29,258,250	3	32,671,000	ŝ	36,083,760	\$	58,147,500	s	70,211,260
Operating Profit			5	354,579,500	\$	405,004,250	3.	155,429,000	\$	605,853,750	\$	757,977,500	\$	1,010,101,250

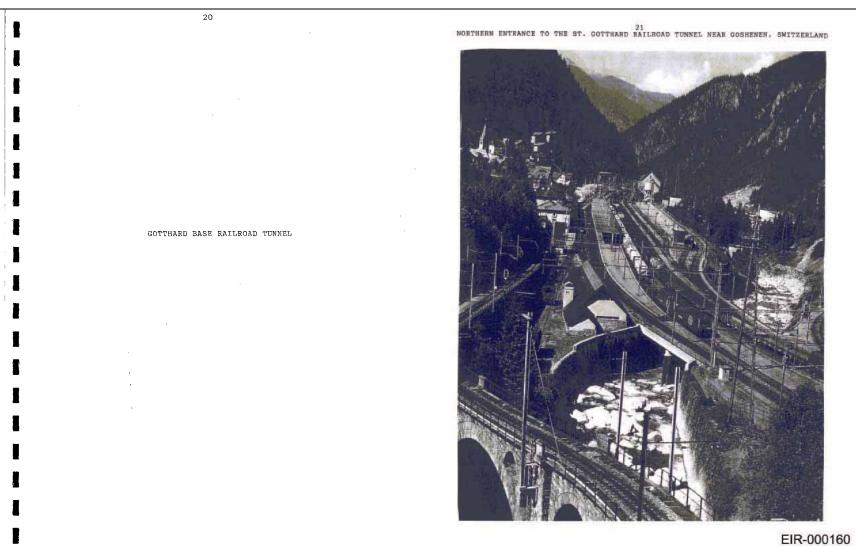
Grapevine_Grade_Turnel_Project_D[1]

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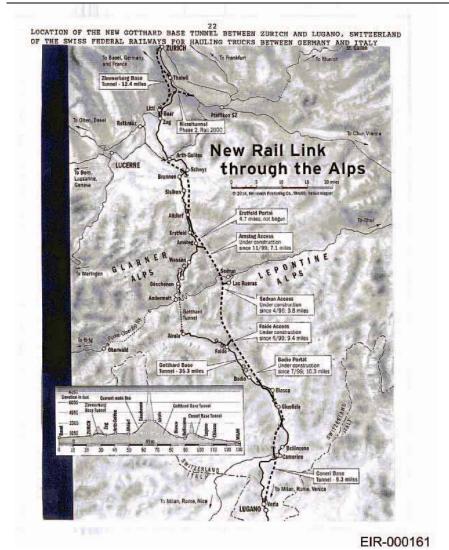
				Utilization of	Truck Traffic		Page 2 of 2
Alternative A - Subsidized Loan at 3% Interest Rate		10%	15%	20%	25%	50%	75%
Operating Profit		\$ 354,579,500	\$ 405,004,250	\$ 455,429,000	\$ 595,853,750	\$ 757,977,500	\$ 1,010,101,250
Depreziation interest Expense (1st Year)		\$ 65,150,000 \$ 103,500,009	\$ 65,150,000 \$ 103,500,009	\$ 65,150,000 \$ 103,560,000	\$ 65,150,000 \$ 103,500,009	\$ 65,150,000 \$ 103,500,009	\$ 65,150,000 \$ 103,500,009
Profit Before Tax		\$ 185,929,491	8 236,364 241	\$ 286,778,991	\$ 337,203,741	\$ 589,327,491	\$ 841,451,241
Income Tax	30%	\$ 55,778,847	\$ 70,906,272	\$ 66,033,697	\$ 101,161,122	\$ 176,798,247	\$ 252,435,372
Net Prolit		\$ 130,150,544	\$ 165,447,989	\$ 200,745,294	\$ 236,042,619	\$ 412,529,244	\$ 569,015,669
Add: Depreciation Add: Interest Expanse (1st Year) Cosh Flow Before DelX Service (1st Year)		\$ 65,150,000 \$ 103,500,009 \$ 298,800,653	\$ 65,150,000 \$ 103,500,009 \$ 334,097,978	\$ 65,150,000 \$ 103,500,009 \$ 369,395,303	\$ 65,150,000 \$ 103,500,009 \$ 404,692,628	\$ 65,150,000 \$ 103,600,009 \$ 581,179,253	\$ 65,150,000 8 103,500,009 \$ 757,505,878
inferest Expense (1st Year) Principal Paymont (1st Year) Total Debt Service		103,500,009 \$ 72,085,091 176,185,100	103,500,009 \$ 72,685,091 176,185,100	103,500,609 \$ 72,685,091 176,185,100	103,500,009 5 72,685,091 176,185,100	103,500,009 \$ 72,885,091 176,185,100	103,500,009 \$ 72,685,091 178,185,100
Debt Coverage		1.70	1.90	2.10	2.30	3.30	4.30
Atternative B - Subsidized Loan at 6% Interest Rate Operating Profit		\$ 354,579,500	S 405,004,250				
			5 405,004,250	\$ 455,429,000	\$ 505,853,750	3 757,977,500	\$ 1,010,101,250
Depreciation Interest Expense (1st Year)		65,160,000 \$ 222,159,845	65,150,000 \$ 222,159,845	\$ 455,429,000 55,150,000 \$ 222,159,845	\$ 505,853,750 65,160,000 \$ 222,159,845	\$ 757,977,500 65,150,000 \$ 222,159,845	\$ 1,010,101,250 65,150,000 \$ 222,159,845
		65,160,000	65,190,000	55,150,000	65,150,000	65,150,000	65,150,000
Interest Expense (1st Year)	30%	65,160,000 \$ 222,159,845	65,160,000 \$ 222,159,845	65,150,000 \$ 222,159,845	65,150,000 \$ 222,159,845	65,150,000 \$ 222,159,845	65,150,000 \$ 222,159,845
Inferest Expense (1st Year) Profit Before Tax	30%	65,160,000 \$ 222,159,845	65,150,000 \$ 222,159,945 	65,150,000 \$ 222,159,845	65,160,000 \$ 222,159,845 218,545,906	65,150,000 \$ 222,169,845 470,667,696	65,150,000 \$ 222,159,845 722,791,405
Inferest Expense (1st Year) Proft Before Tax Income Tax	30%	65,160,000 \$ 222,159,848 67,269,655	65,160,000 \$ 222,159,945 117,694,405	55,150,000 \$ 222,159,845 168,119,155	65,150,000 \$ 222,159,845 218,543,905 \$ 66,563,172	65,150,000 \$ 222,169,845 470,667,695 3 141,200,297	65,160,000 \$ 222,159,845 722,791,405 \$ 216,837,422
Infecest Expense (1st Year) Prost Betwee Tax Income Tax Neet Proft Add: Departablishin Add: Infecest Expense (1st Year)	30%	65,160,000 \$ 222,159,845 67,269,655 \$ 67,269,655 \$ 85,180,000 \$ 222,159,845	65,160,000 \$222,159,945 	55,150,000 \$ 222,159,845 168,119,155 \$ 188,118,155 \$ 65,150,000 \$ 222,159,845	65,150,000 \$ 222,159,845 218,543,908 \$ 65,563,172 \$ 152,880,734 \$ 65,150,000 \$ 222,159,845	65,150,000 \$ 222,159,845 470,667,655 \$ 141,200,297 \$ 329,467,359 \$ 65,150,000 \$ 222,159,845	65,160,000 \$ 222,159,845 722,791,405 \$ 216,837,422 8 505,353,984 \$ 65,160,000 \$ 222,159,845

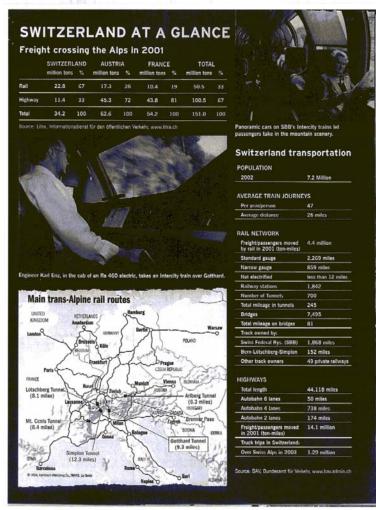






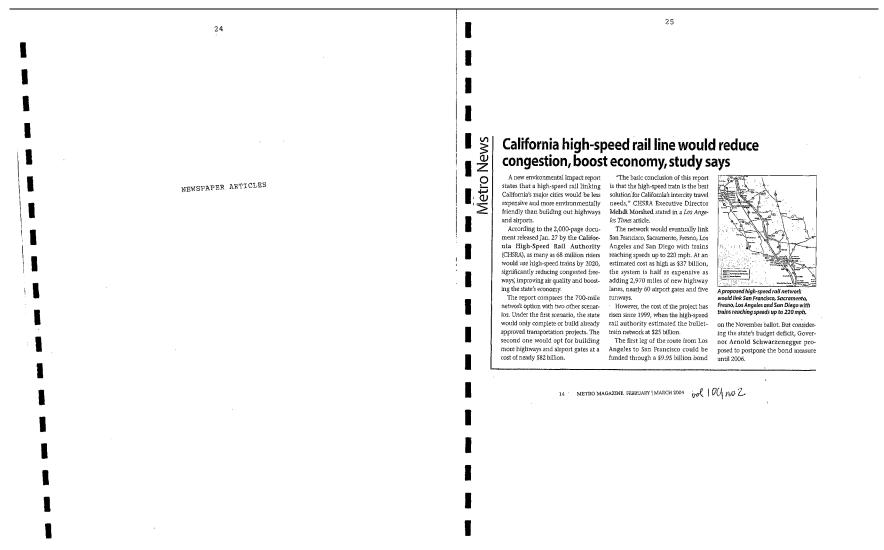






EIR-000162







B4 FRIDAY, MARCH 26, 2004. Los Angles Times

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MTA Backs a Bullet Train Route Through High Desert

By Kurt Streeter Times Sign Writer

The Metropolitan Transportetion Anthonity decided Thurs totion Authority decided Intra-day to back a proposed high-speed rall route through the An-telope Valley.

The route is one of two op-tions being studied by the Cali-

fornia High-Speed Rail Author-

ity, which is now nearing completion on a plan for a \$37-pillion, electric-powered, bullet train that would go from Los Angeles' Union Station to downtown San Francisco in two hours and 25 minutes.

The state-backed authority proposed two routes in an envileased in January and is to be completed during the next several months. One plan calls for a route between Bakersfield and Los Angeles that would run roughly parallel to the Golden State Freeway. Another option State Preeway Another option is to build tracks between Bakersfield and Los Angeles through the Antelore Valley, with a stop th Palmada.

The cost would be about the same for other route. But travel

time — the bullet train's prime selling point in what would likely be fierce competition with air travel - would probably increase on a trip from Los Angeles to San Francisco by at least 12 minutes if the train went through the Antelope Valley. MTA officials said the time

lost would be offset by making the train accessible Antelope

Valley commuters...
A \$10-billion bond measure allowing construction to begin on the project is set to be placed before voters statewide in November. But legislators and Gov Schwarzenegger are working to move the measure to

AROUND NORTH COUNTY

NORTH COUNTY TIMES

Proposed:

rail route

high-speed

Panel wants Riverside County in on rail deal

STAFF WRITER

RIVERSIDE - A regional panel Wednesday urged the state not to leave the high-

state not to leave the high speed train station without Riverside County. Voting unanimously, the Riverside County Transportation Commission requested that the California High-Speed Rail Authority include the county in the first phase of the \$37 billion, 700-mile statewide system, rather than relegate the area to a future expansion that may not take

The commission also endorsed the state's plans for stations at Escondido, San Diego, UC Riverside, March Air Reserve Base and the Interstates 15-215 interchange in Murrieta.

The panel, which allocates more than \$100 million a year for local freeway, rail and bus projects, also en-dorsed an alignment of the high-speed rail project that would run from Ontario Airport to Colton, turning south long I-215 through Riverside to Murrieta and Temecula.

Those positions will be forwarded to the rail authority as it prepares to adopt a 2,000-page environmental mpact report. Comments are being accepted through May.

is still missing some materi-al," said Carl Schiermeyer, longtime consultant to the commission.

significantly shorten trips be-

A few years ago, state rail planners were debating

Schiermeyer said it is clear that a \$10 billion bond on the November ballot — at least for now — would fund a first phase defined as Los An-geles to San Francisco. But he said the report is not at all clear on when the section through Riverside County to San Diego would be built; it only suggests pumping extra money from fares into other parts of the system, Making the picture even

re fuzzy, the bond includes \$1 billion for improvements to existing rail lines. And the line on the coast between Los Angeles and San Diego is expected to benefit widely from that pot, receiving money for tunnels, bridges and tracks, Schiermeyer said. He warned that state

politicians might abandon the inland alignment if they see that new high-speed rail between Los Angeles and San Francisco, coupled with improvements farther south. tween Southern and Northern California.

Then, said Schiermeyer, "We stood up and said, 'We

speed rail down the coast or

through the rapidly develop

ing I-15 corridor through Riverside County to San

Diego. At that time, seaside

cities rose up to protest a

coastal high-speed line, say-ing it would ruin the pictur-

esque and peaceful ambi-ence of the beach.

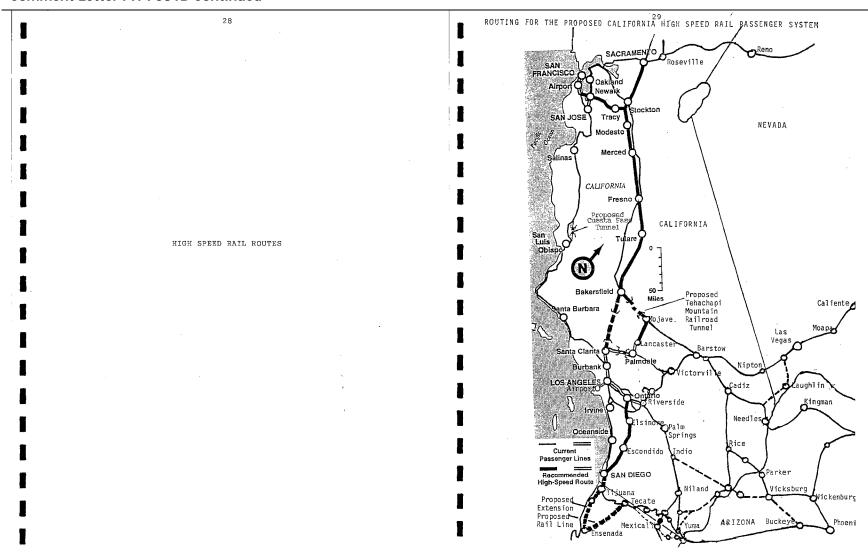
O Possible station

Terminal station Possible rail through T Diego San Diego Airport NORTH COUNTY TIMES want it." And the rail agency designated the inland route whether to take the high-

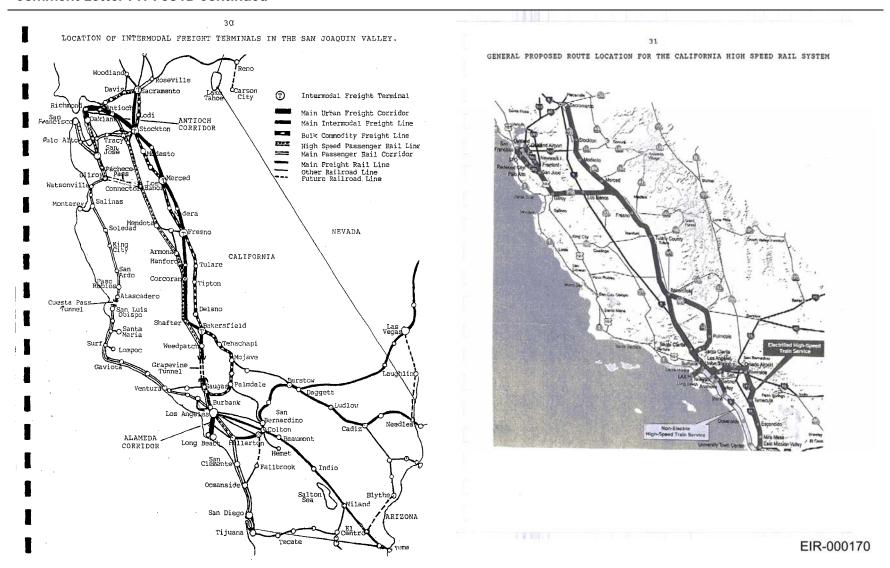
through Riverside, Temecula and Escondido as the preferred one for reaching San never cut off the coast."

In other business, commissioners voted to create a upon the suggestion of an auditor.



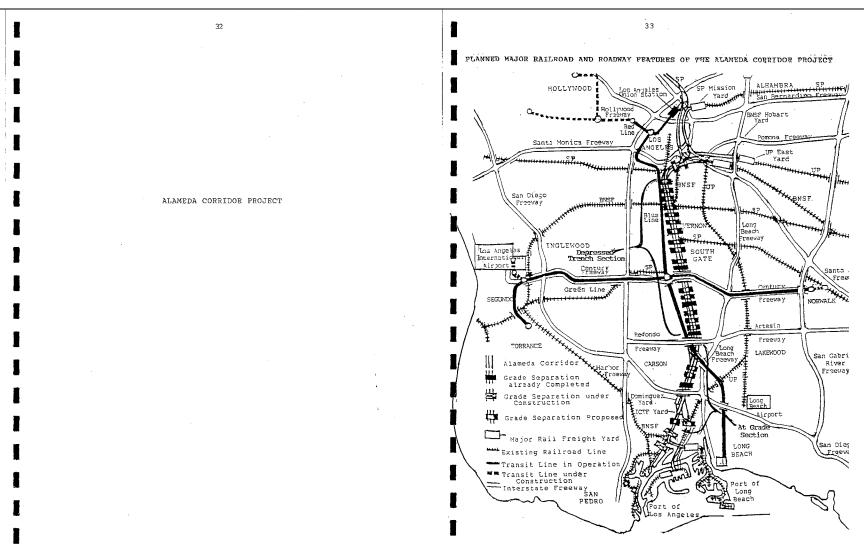




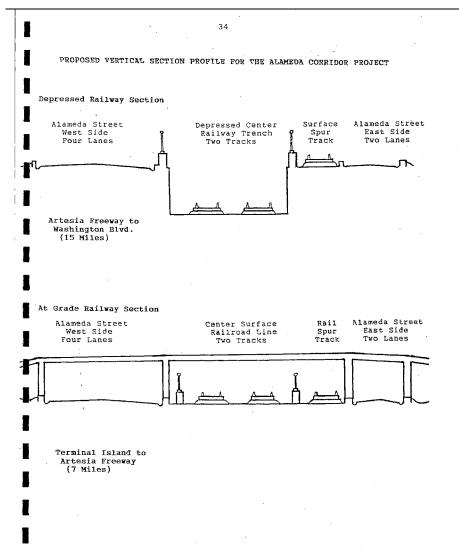


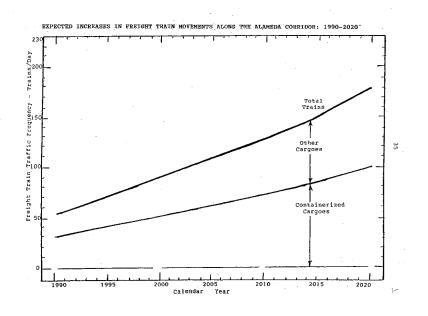






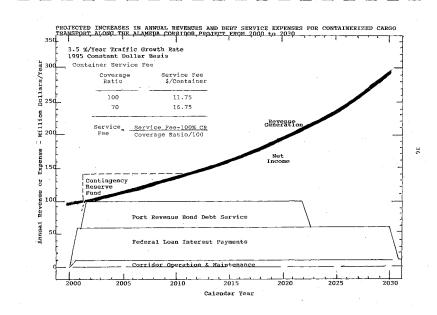












CAPITAL EXPENSE REQUIREMENTS AND OPERATING FEATURES OF THE ALAMEDA CORRIDOR PROJECT UNDER ALTERNATIVE CONFIGURATIONS¹

SPECIFIC PARAMETER	FUNDING SOURCE	BASE CASE SINGLE TRACK EXISTING	DOUBLE TRACK WITH NO SEPARATIONS	DOUBLE TRACK WITH SEPARATIONS
Capital Cost (Million \$)	Port Contributions	400.00	400.00	400.00
	Port Revenue Bonds	0.0	600.0	600.0
	State and Local Funds MTA Contributions	0.0	143.0 0.0	143.0 350.0
	Federal Funds	0.0	0.0	400.0
	Total Expense	400.0	1,143.0	1,893.0
	Unit Cost (Million \$/Mile)	18.2	52.0	86.0
	Railroad Expense	0.0	25.0	50.0
Railroad Features	Number of Tracks	1	2	2
	Grade Crossings	31	28	
	Grade Separations	7	10	39
	Average Train Speed (Mile/Hour)	20	35	40
	Track Capacity (Trains/Day)	40	100	150
	Transit Time (Hours)	4	2	1
	Year Completed	-	2005	2001
	Route Length (Miles)	22	22	22
	Signaling System	ABS	CTC	CTC

- Notes:

 1. Capital cost factors are based on 1995 constant dollars.

 2. Abbreviations for signaling systems are as follows:
 ABS=Automatic Block Signals;
 ATC=Automatic Train Control;
- CTC=Centralized Traffic Control.
- 3. Estimated signalling and communication system cost to be paid for separately by the freight railroads.





EXPECTED PRESENT AND FUTURE ECONOMIC IMPACTS RESULTING FROM THE DEVELOPMENT OF THE PROPOSED DUWAMISH CORRIDOR PROJECT

IMPACT	UNITS	1995	2010	2020
W.L. CT.				
Value of Trade	Billion \$/Year	60	100	150
Direct Employment	No. of Jobs	30,000	50,000	70,000
Area Employment	No. of Jobs	120,000	180,000	240,000
Statewide Employment	No. of Jobs	600,000	1,000,000	1,500,000
Direct Payrolls	Million \$/Year	530	880	1,230
Econo Business Revenues	Billion \$/Year	3	6	10
Port Revenues	Billion \$/Year	5	8	12
Economic Activity		10	20	35
Federal Income Tax	Billion \$/Year	1.1	1.9	2.7.
Federal Customs duties	Million \$/Year	560	900	1,250
State & Local Taxes	Million \$/Year	170	260	340
Trade Volume	Million Metric Tons/Year	37	75	100
Container Shipments	Million TEU/Year	3	7	10
Total Train Movements	Trains/Day	90	320	440

EXPECTED PRESENT AND FUTURE ECONOMIC IMPACTS RESULTING FROM THE DEVELOPMENT OF THE ALAMEDA CORRIDOR PROJECT IN THE SOUTHERN CALIFORNIA REGION

IMPACT	UNITS	1995	2010	2020
Value of Trade	Billion \$ Year	116.0	253,0	355.0
Direct Employment	No. of Jobs	30,000	70,000	100,000
Total Employment	No. of Jobs	75,000	180,000	250,000
National Employment	No. of Jobs	2,500,000	5,700,000	8,000,000
Affected Payrolls	Billion \$ Year	100.0	230.0	325.0
Federal Income Tax	Billion \$ Year	14.2	30.9	95.5
Federal Customs Dutles	Billion \$ Year	2.9	5.9	8,4
State & Local Taxes	Billion \$ Year	5.4	11.6	16.5
Trade Volume	Million Metric Tons/Year	120	180	235
Container Shipments	Million TEU/Year	5	12	17
Total Train Movements	Trains/Day	255	510	710.

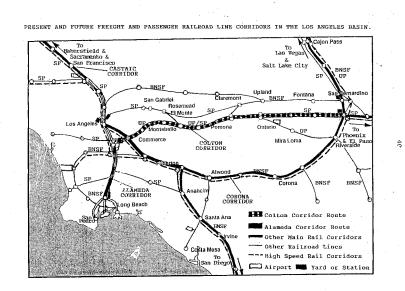
SOUTHERN CALIFORNIA

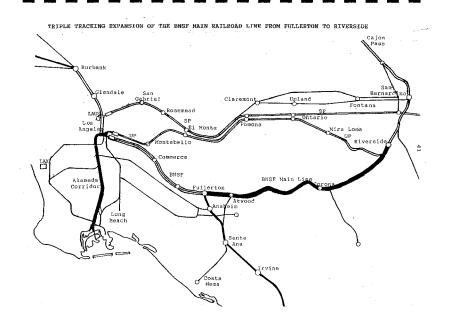
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RAILROAD NETWORKS





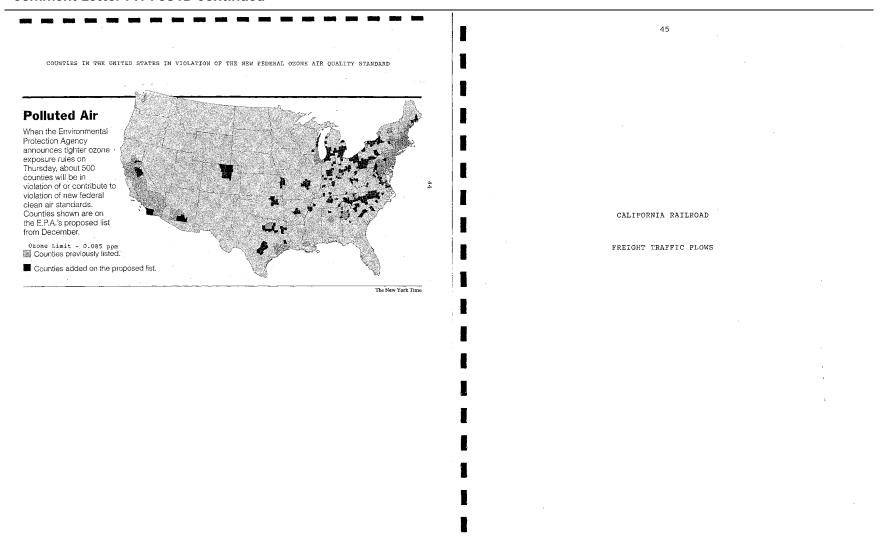




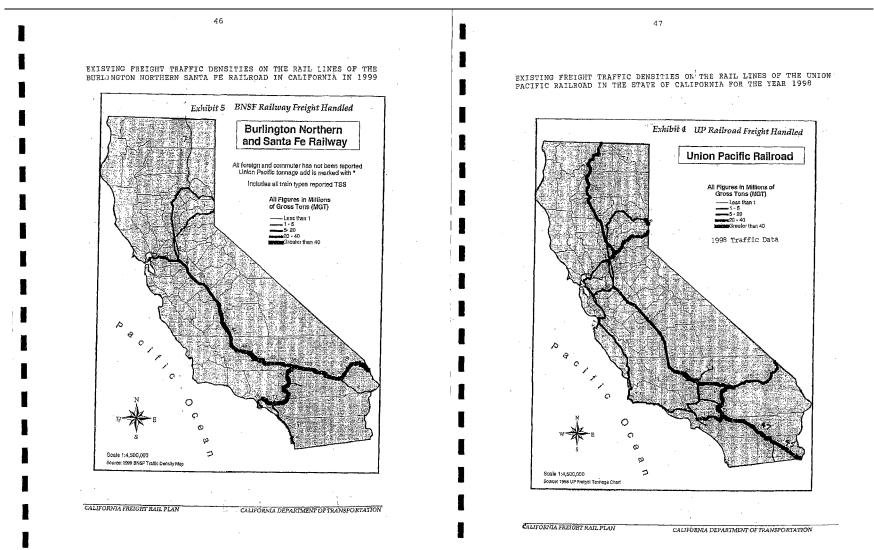




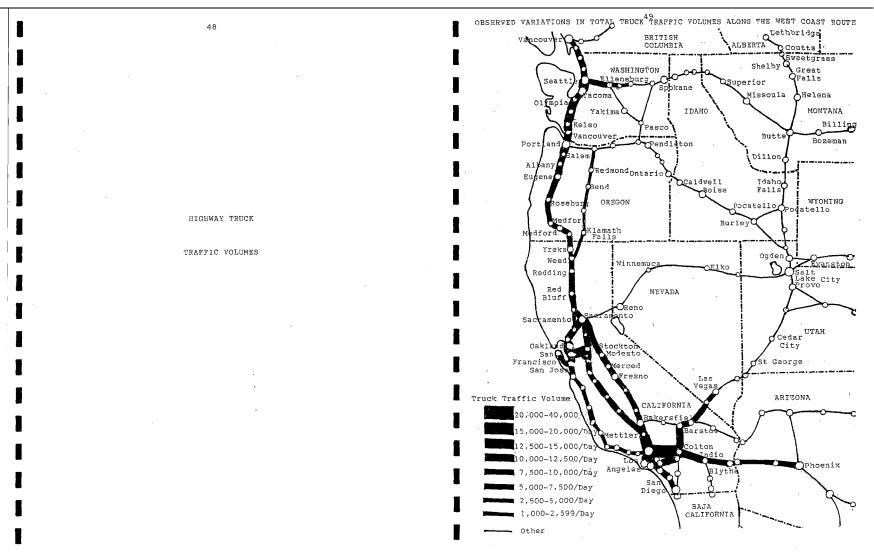




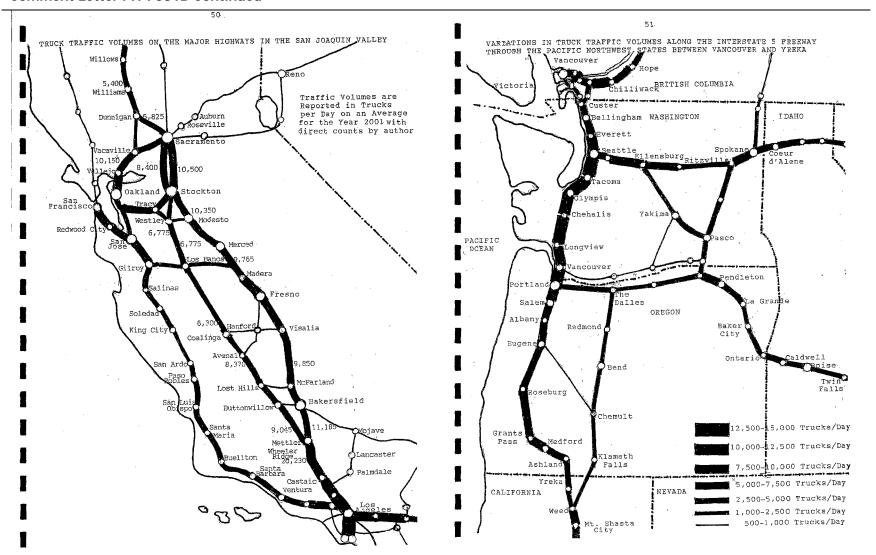




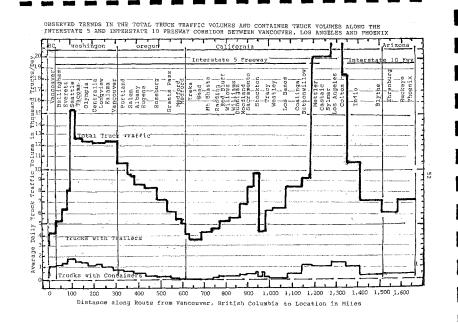












SUMMARY OF CONTAINER AND TRUCK TRAFFIC VOLUMES

			INTERSTAT			เธ
		BASED	ON TOTAL T	RUCK MOV	EMENTS	
Intercity Corridor	Interstate Highway	Distance (Miles)	Containers (Trucks/day)	Trailers (Trucks/day)	Total Trucks (Trucks/day)	Pe
Sylmar-Mettler	1-5	65	1,045	19,185	20.230	
Seattle-Olympia	1-5	60	1,230	11,520	12,750	
Longview-Portland	1-5	45	815	11,735	12,550	
Centralia-Longview	1-5	50	1,065	11,535	12,450	
Olympia-Centralia	1-5	25	1,165	11,235	12,400	
Hayward-Tracy	1-580	. 30	1,150	10.870	12,020	
Matthew Delegrational	017.00	0.5	500	10.005	1	

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Centralia-Longview	(*0) OU	כמט,ו ו	11,535	(72,450	8.55
Olympia-Centralia	I-5	25	1,165	11,235	12,400	9.40
Hayward-Tracy	1-580	. 30	1,150	10,870	12,020	9.57
Mettler-Bakersfield	SR-99	25	500	10,685	11,185	4.47
Colton-Indio	I-10	70	1,065	9,540	10,605	10.04
Portland-Salem	1-5	40	800	9,710	10,510	7.61
Sacramento-Vallejo	1-80	60	1,450	8,700	10,150	14.28
Bakersfield-Fresno	SR-99	115	180	9,670	9.850	1.82
Stockton-Fresno	SR-99	115	375	9,390	9,765	3.84
Mettler-Buttonwillow	1-5	40	545	8,500	9.045	6.03
Salem-Eugene	I-5	60	550	7,950	8,500	6.47
Stockton-Sacramento	1-5	45	400	8,000	8,400	4.76
Coalinga- Buttonwillow	1-5	75	. 140	8,230	8,370	1.67
Tracy-Stockton	I-205	25	575	7,750	8,325	6.91
Eugene-Roseburg	I-5	80	100	8,150	8,250	1.21
Roseburg-Grants Pass	1-5	65	50	7,300	7,350	0.68
Blythe-Indio	J-10	95	320	6,730	7,050	4.54
Dunnigan- Sacramento	I-5	35	200	6,625	6,825	2.93
Westley-Coalinga	1-5	110	210	6,150	6,360	3.30
Seattle-Ellensburg	I-90	- 75	1,800	4,280	6,080	29.61
Blythe-Tonopah	I-10	70	330	5,730	6,060	5.45
Marysville-Burlington	1-5	25	1,480	4,440	5,920	25.00
Dunningan-Red Bluff	1-5	85	150	5,250	5,400	2.78
Burlington- Bellingham	l-5	25	1,400	3,750	5,150	27.18
Ellensburg-Vantage	1-90	40	980	3,920	4,900	20.00
Red Bluff-Redding	1-5	25	75	4,675	4,750	1.50
Frac y-Wesley	I-580	15	. 575	3,935	4,510	12.75
Belingham- ∕ancouver	1-5	15	1,080	2,950	4,040	26.80
Redding-Siskiyou	I-5	120	. 0	4,000	4,000	0.00
Grants Pass-Siskiyou	I-5	60	0 -	4,000	4,000	0.00
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Based on actual truck traffic counts by the author in 2001.

Urban Corridors
TOTAL CORRIDORS



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			ESTIMATED TI) INCREASES IN THE A HE INTERSTATE-5 FRE	VERAGE STATEWIDE EWAY THROUGH TH	E TRUCK TRAFFIC VO IE PACIFIC COAST ST	LUMES ALONG ATES
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			<u> </u>				
			Calendar Year	Washington Trucks/Day	Oregon Trucks/Day	California Truoks/Day	Average Trucks/Day
			_				•
	HIGHWAY MAINTENANCE		2000	10,855	7,645	15,445	12,895
	COST BURDENS		2005	13,260	9,340	18,840	15,725
			•				
			2010	16,195	11,405	23,010	19,210
			•				
			2015	19,780	13,930	28,105	23,460
			E			·	,
÷			2020	22,160	17,015	34,330	28,655
			1	22,100	17,015	34,330	20,000
			n 2025	20.505	***	,	
			2025	29,505	20,780	41,930	34,995
			•				
			2030	36,040	25,380	51,210	42,745
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